

PRODUCT NOT CONFORMED**PYROFORM SIC-70**

CLASIFICACION ISO 1927-1	Dense hydraulic refractory concrete. Base silicon carbide. Application by casting and compaction by rod or vibrated. Class 1500°C
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REFERENCE	935534	1216	166.RT	GROUP	FAMILY	STANDARD
				NC	6	

AVERAGE CHEMICAL ANALYSIS (Obs "A")

Al₂O₃	22,0	%
SiO₂	2,3	%
Fe₂O₃	1,0	%
CaO	6,0	%
Sic	61,0	%

PHYSICAL PROPERTIES

Classification temperature		1550	°C	ISO 1927-1
Bulk density	Dry 110°C	2,30	Kg./dm ³	ISO 1927-6
Open Porosity	Dry 110°C	23,00	%	ISO 1927-6
Compressive strenght	Dry 110°C	430	Kg./cm ²	ISO 1927-6
	Stew 800°C	320	Kg./cm ²	ISO 1927-6
	Stew 1200°C	330	Kg./cm ²	ISO 1927-6
Subsidence under	T2	1490	°C	ISO 1927-6
Reversible linear expansion	1000°C	0,70	%	
Thermal conductivity to average temperature	400°C	6,38	W/m.K	ISO 1927-8
	800°C	5,94	W/m.K	ISO 1927-8
	1200°C	4,35	W/m.K	ISO 1927-8
Kneaded water of		11,0	%	ISO 1927-4

OBSERVATIONS

Rich refractory concrete in silicon carbide.
Excellent before alcalis, dregs and abrasion. Attention to the oxidation.
Storage limit 8 months in dry warehouse.

"A" alternative Method = Spectrometry by FRX

The technical characteristics represent the obtained average values according to methods of tests recognized on standardized materials; they are put under the normal variations of manufacture and they do not have to be taken like specifications. The data of density and compressive strenght will not be valid for manual productions.

EQUIVALENCES

1 N/mm² = 1 MPa = 10,2 kg/cm²
1 kg/cm² = 0,098 MPa = 0,098 N/mm²
1 W/mK = 0,86 kcal/mhK
1 Kcal/mK = 1,16 W/mK